INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/003127

a. classification of subject matter IPC 7 F02M59/36 F02M F02M63/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 F02M Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category ° Relevant to claim No. Υ EP 0 481 964 A (NIPPON DENSO CO) 1-13 22 April 1992 (1992-04-22) column 7, line 26 - column 8, line 55; figures 1-5,17 Υ EP 0 957 261 A (LUCAS IND PLC) 1 - 1317 November 1999 (1999-11-17) column 4, paragraph 22 - column 6. paragraph 29; figures Υ US 6 530 363 B1 (BLASS JAMES R ET AL) 5 11 March 2003 (2003-03-11) abstract; figures US 5 957 674 A (KANDA NOBUYUKI ET AL) 28 September 1999 (1999-09-28) figures 2,4 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention *E* earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document and the state of the proposed state of the state citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means document published prior to the international filing date but later than the priority date claimed in the art. "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 30 September 2004 14/10/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Torle, E Fax: (+31-70) 340-3016

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International Application No PCT/GB2004/003127

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